



# **Florida Keys National Marine Sanctuary: Consultation with the Fishery Management Councils**

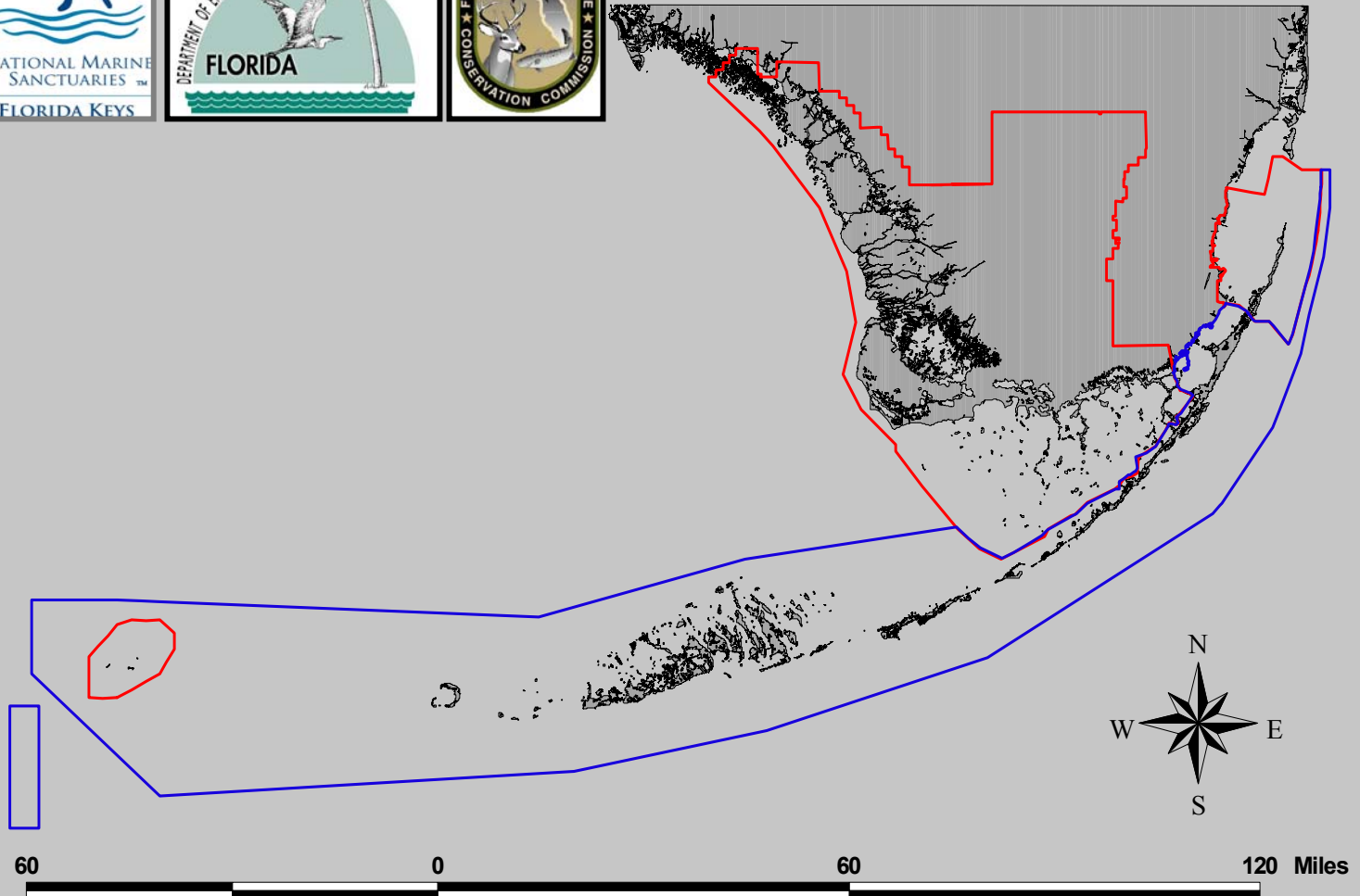
## **Current Issues in Implementing the Magnuson-Stevens Fishery Conservation and Management Act**

*Baltimore, Maryland  
October 18-20, 2004*

*Billy D. Causey  
Superintendent*

*Florida Keys National Marine Sanctuary*

# Florida Keys National Marine Sanctuary



# *Florida Keys National Marine Sanctuary and Protection Act - 1990*

(Passed By United States Congress)

- NOAA Charged with developing a management plan that should  
“Consider temporal and geographic zoning...”

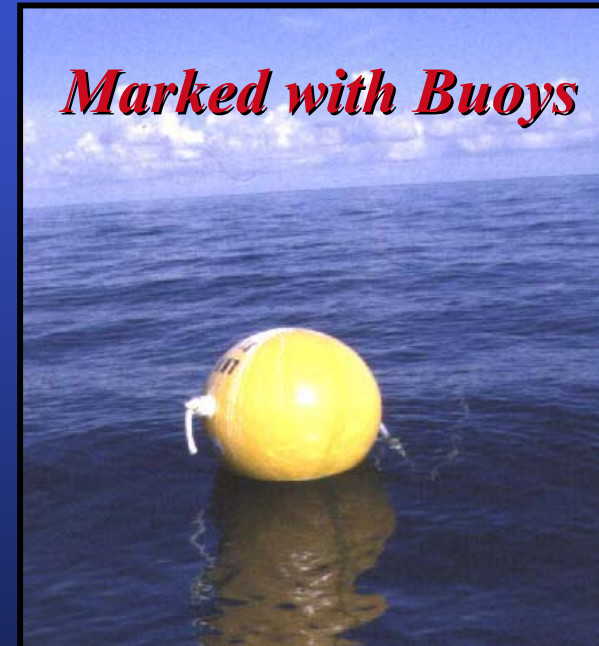
# FKNMS Marine Zone Types

- Sanctuary Preservation Areas - 18
- Special Use (Research-only) Areas - 4
- Ecological Reserves - 2



- Wildlife Management Areas - 27
- Existing Management Areas - 19  
(6 federal, 13 state)

***Marked with Buoys***



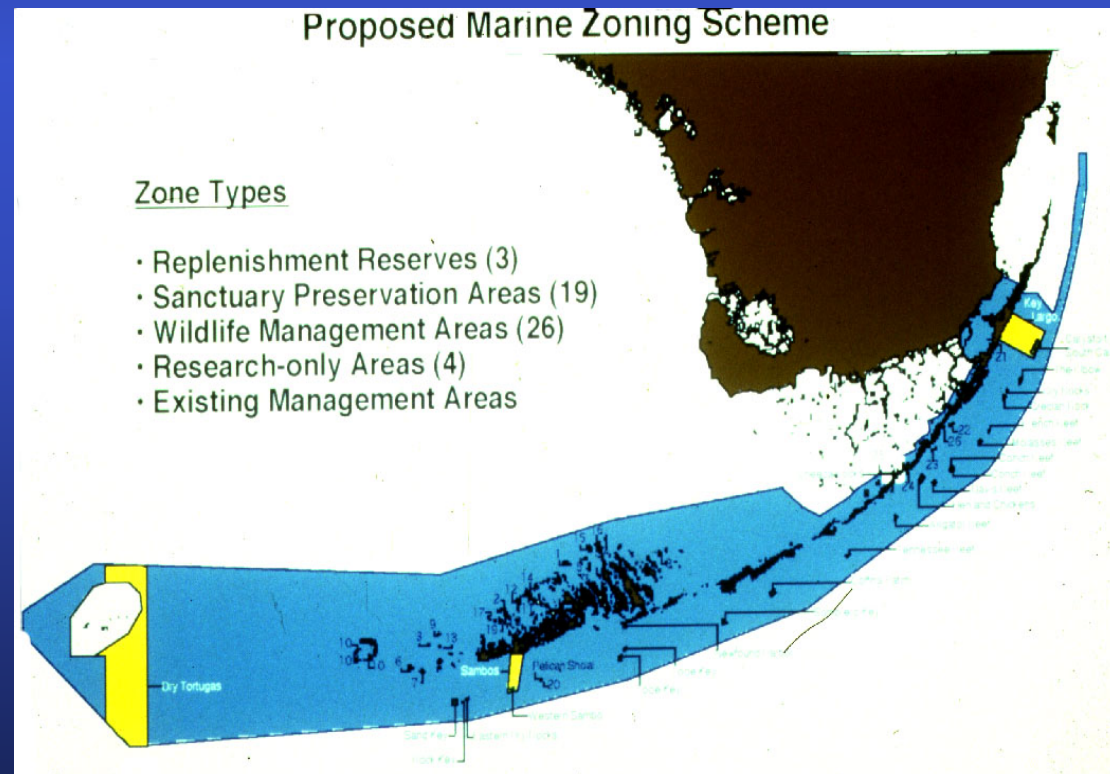


# Consultation with Fishery Management Councils

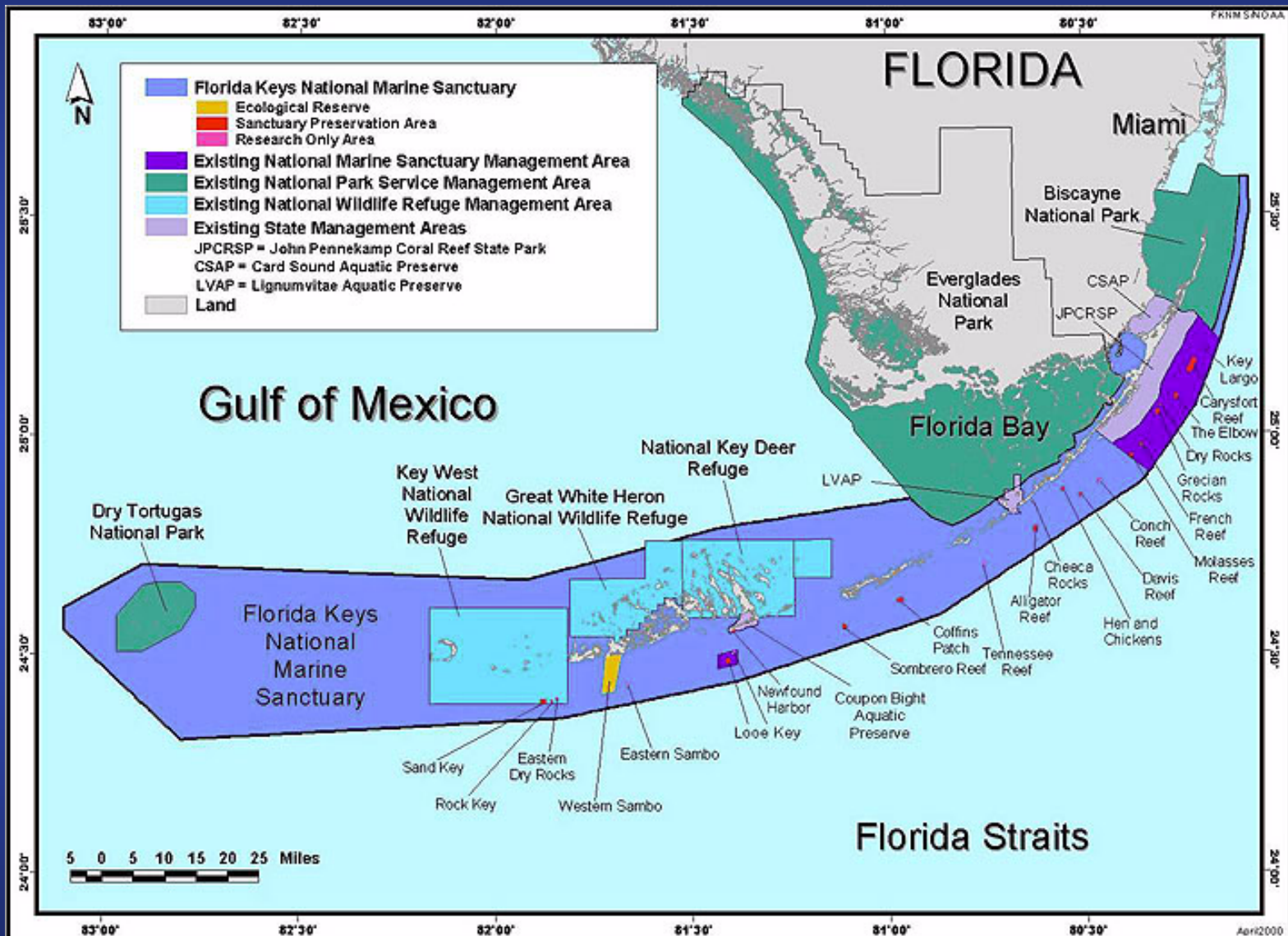
- **1991 - 1997: Development of FKNMS MP**
  - Strategy Workshops / Council Staff
  - Annual Briefings to FMCs
  - South Atlantic FMC / use NMSA
  - Gulf of Mexico FMC / not affected in 1997 FKNMS Marine Zoning Plan
  - Florida Marine Fisheries Commission
- **1998-2001: Tortugas Ecological Reserve Process**
  - FMCs on T2000 Working Group
  - Annual Briefings to FMCs
  - State FWCC / Participation/Annual Briefings

# FKNMS Draft Management Plan 1995

- 6% Fully Protected
- Approved by SAC
- 3 Reserves
- Opposition

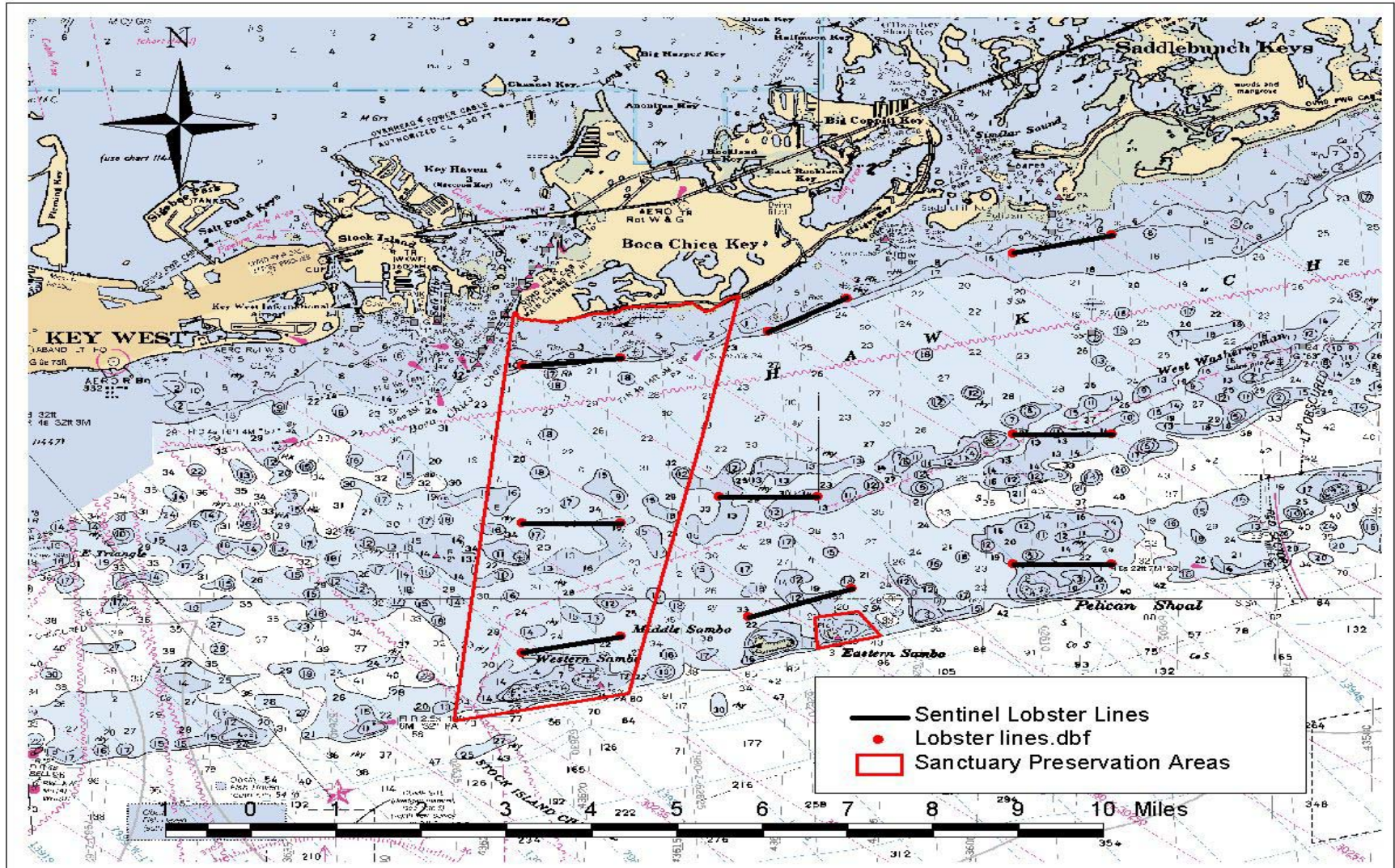


# FKNMS Marine Zoning 1997





# Western Sambo Ecological Reserve - 9 snm





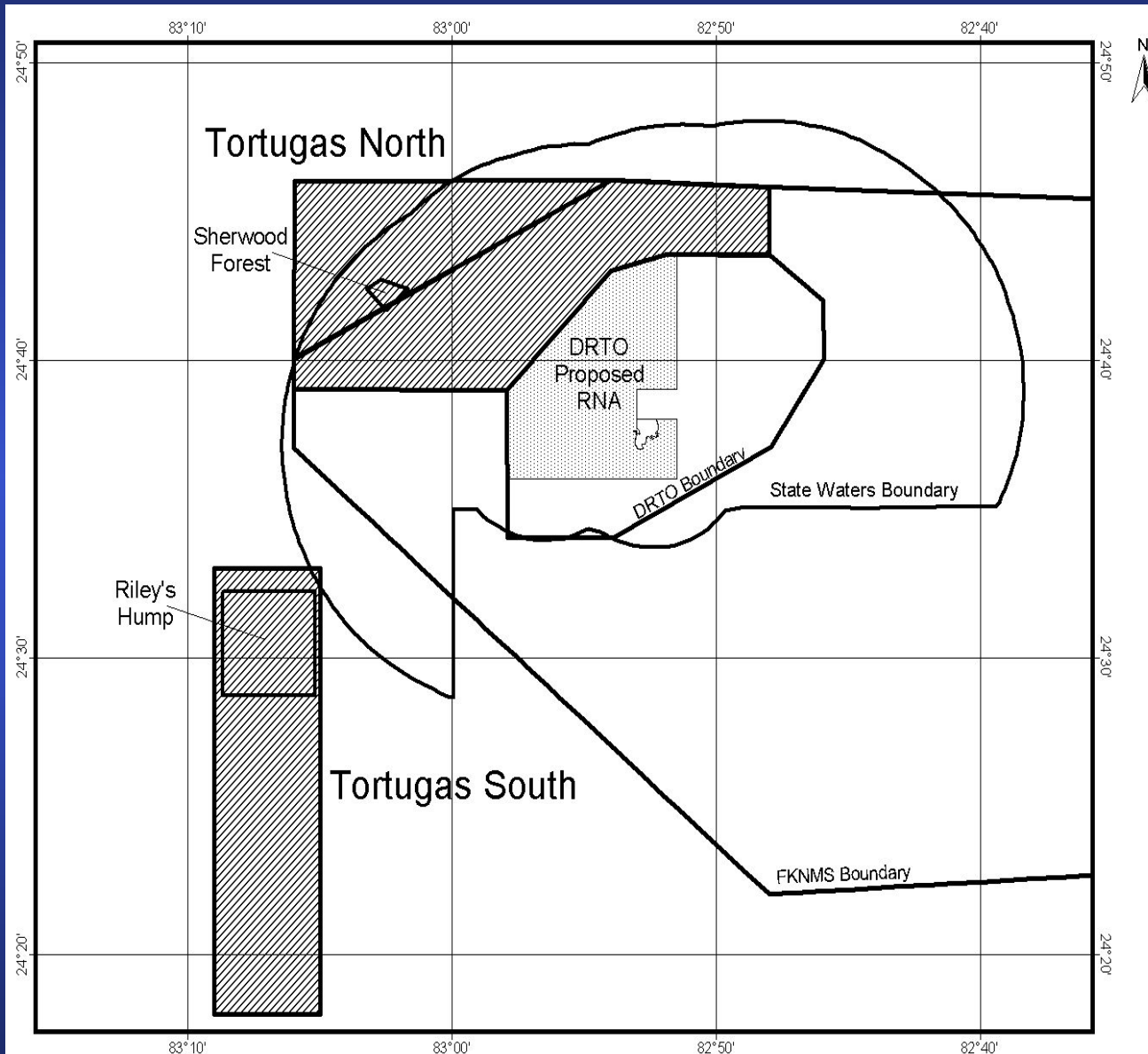
# Tortugas 2000

**A collaborative project to create an ecological reserve**

**Final Management Plan contained a  
Commitment to establish a reserve in the  
Tortugas region using a more participatory  
process - Top/Down & Bottoms/Up approach**

Florida Keys National Marine Sanctuary  
<http://www.fknms.nos.noaa.gov/tortugas>

# *Tortugas Ecological Reserve*



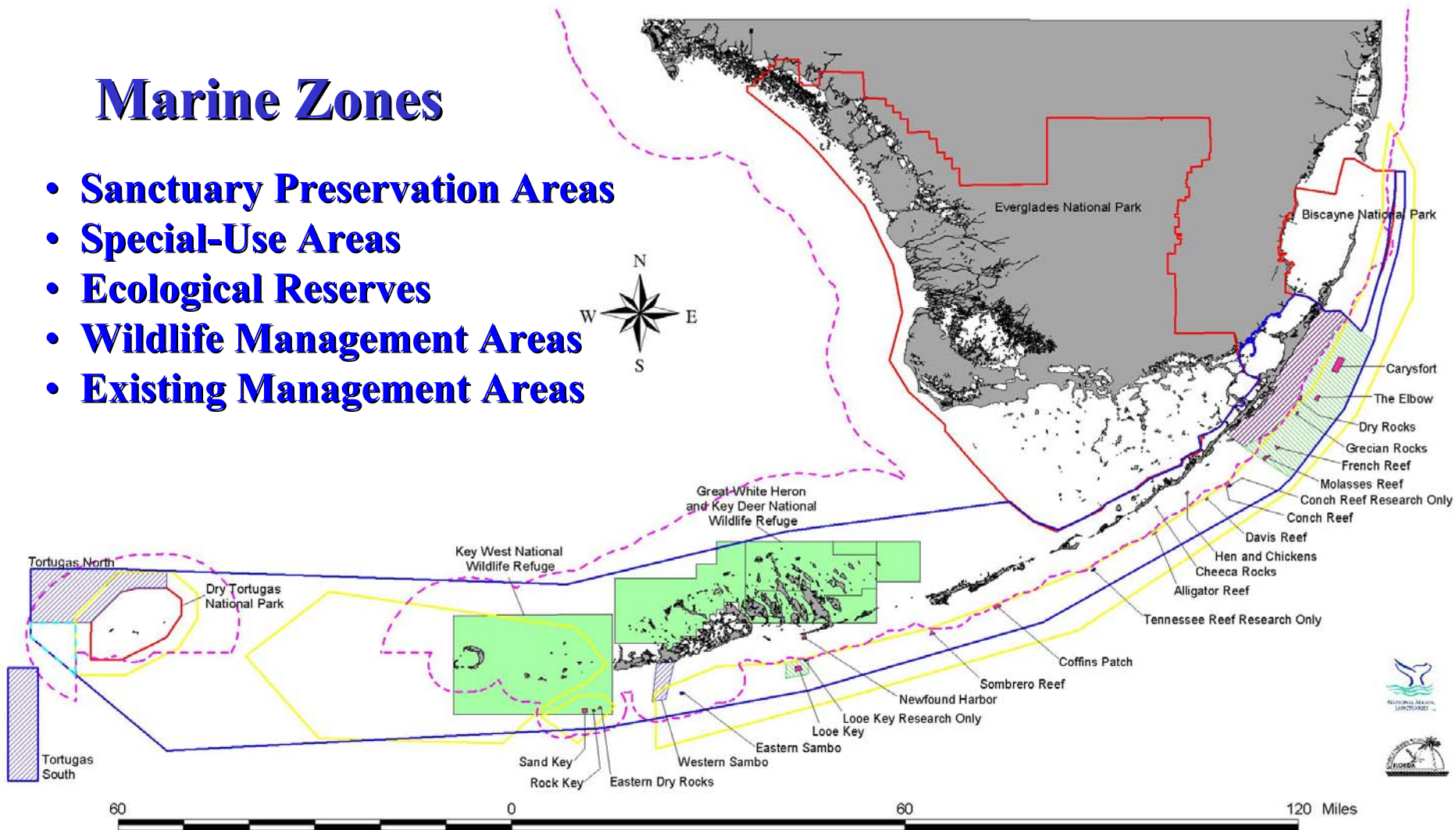
## Final

- July 1, 2001
- 518 sq k
- 151 sq mi
- Tortugas N & S
- FKNMS (boundary expanded)
- 7 Separate Jurisdictions

# Florida Keys National Marine Sanctuary

## Marine Zones

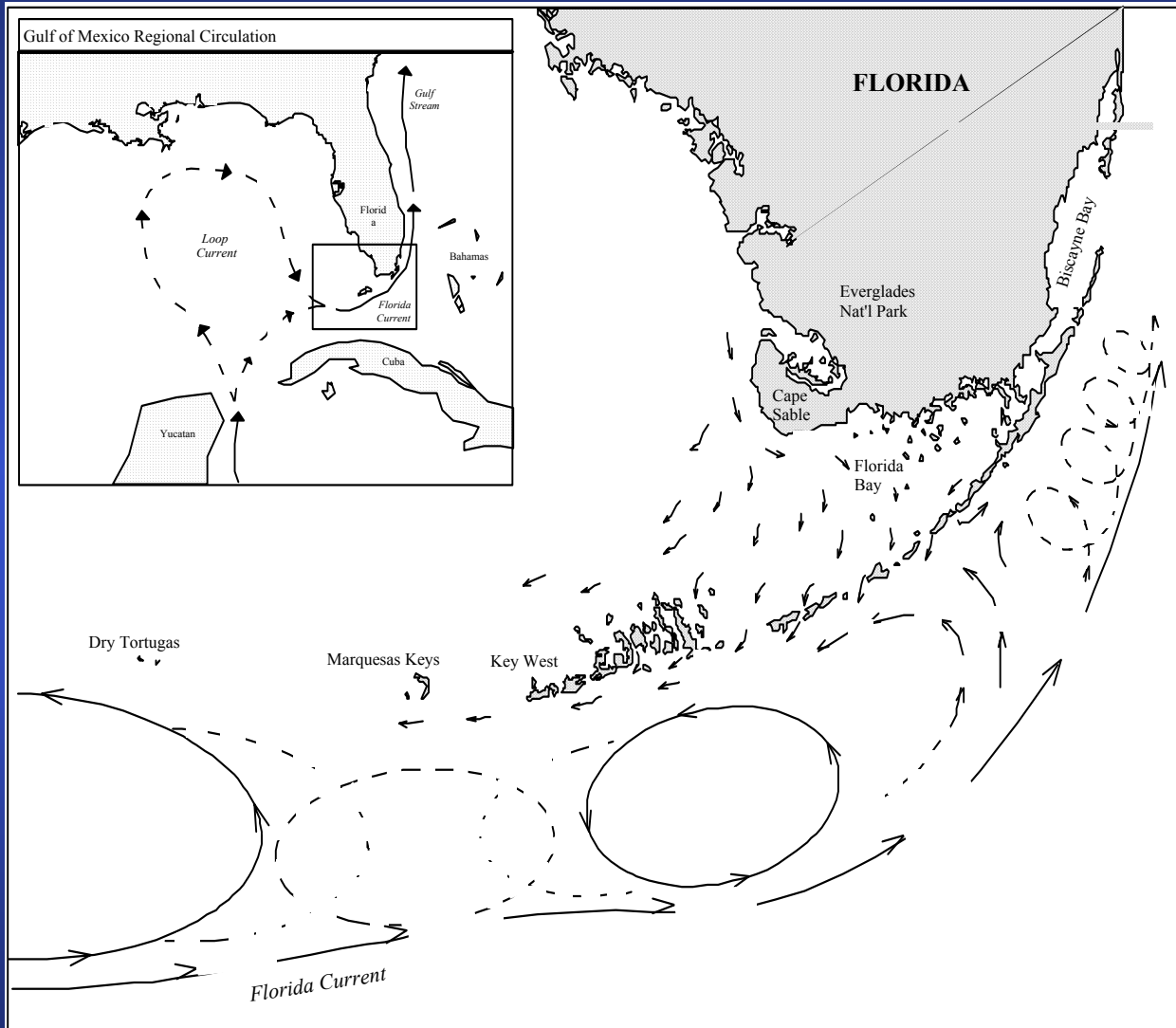
- **Sanctuary Preservation Areas**
- **Special-Use Areas**
- **Ecological Reserves**
- **Wildlife Management Areas**
- **Existing Management Areas**



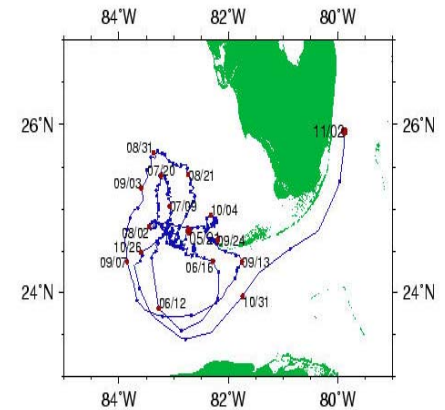


# Oceanography / Currents

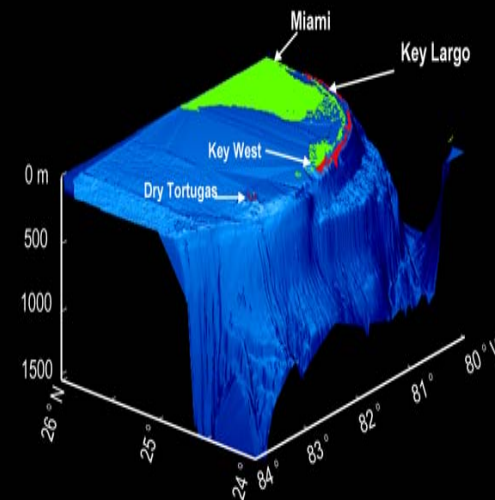
High potential for providing larvae to downstream areas



## Current Meters



## Bathymetry



High potential for receiving & retaining larvae

# **Sanctuary Advisory Council**

- **Monroe County Elected Official**
- **Citizen Reps.**
- **Recreation Fishing Reps.**
- **Commercial Fishing Reps.**
- **Tropical Fishing Collector**
- **Archaeology rep**
- **Dive Industry Reps.**
- **Science Rep.**
- **Conservation Organization Reps.**
- **Education Rep.**
- **Tourism reps**

**19**  
**Members of**  
**various**  
**stakeholders**



# **SAC Forms Working Groups**

- **Allows more public participation**
- **Specific issues addressed**
  - **Tortugas 2000 Working Group**
  - **PWC Working Group**
  - **Large Ship Working Group**
  - **South Florida Ecosystem Working Group**
  - **Marine Mammal Working Group**



# Designing the Tortugas Ecological Reserve

- “Lessons Learned” fell in 4 broad categories:
  - Participation
  - Process
  - Science
  - Jurisdictions

*Preface: Most of the controversy we have experienced in the FKNMS has been focused on designating “No Take” areas.*

# Participation

- Established an advisory working group
- Included stakeholder leadership
- Diversified stakeholder representation
- Included all fishery & resource managers
- Maintained an integrated working group
- Involved the general public

# *Tortugas 2000 Working Group*

- 25 member Working Group of Sanctuary Advisory Council
- All stakeholders
- All Resource Managers
- Ecosystem Approach
- Ignored Jurisdictions
- Focus on objectives, not size or % area





# Working Group for Tortugas 2000

**James Bohnsack**—National Marine Fisheries Service

**Robert Brock**—National Park Service, Everglades National Park

**John Brownlee**—Saltwater Sportsman magazine, Recreational Fishing Rep.

**Billy Causey**—Florida Keys National Marine Sanctuary

**Felicia Coleman**—Gulf of Mexico Fishery Management Council

**Anna Marie Hartman**—Florida Department of Environmental Protection

**BMC Bob Thomas**—U.S. Coast Guard

**Fran Decker**—Florida Keys Sanctuary Advisory Council Member, Citizen Rep.

**Don DeMaria**—Florida Keys Sanctuary Advisory Council Member, Tropical Fish Collector Rep.

**Richard Diaz**—Commercial Fishing Rep.

**Nick Funicelli**—U.S. Geological Survey

**Peter Gladding**—Commercial Handline Fishing Rep.

**Andy Griffiths**—Florida Keys Sanctuary Advisory Council Member, Charter Fishing Rep.

# Working Group for Tortugas 2000

**Debra Harrison**—World Wildlife Fund,  
Florida Keys Sanctuary Advisory  
Council Member, Conservation Rep.

**Benjamin Haskell**—Florida Keys  
National Marine Sanctuary

**Kay Williams**—Gulf of Mexico Fishery  
Management Council

**Tony Iarocci**—Monroe County  
Commercial Fisherman, Florida Keys  
Sanctuary Advisory Council Member,  
Commercial Fishing Rep.

**Michael Barnette**—National Marine  
Fisheries Service

**Don Kincaid**—Florida Keys Sanctuary  
Advisory Council Member, Recreational  
Dive Rep.

**Peter Moffitt**—South Atlantic Fishery  
Management Council

**Erich Mueller**—Mote Marine Lab,  
Sanctuary Advisory Council Member,  
Research Rep.

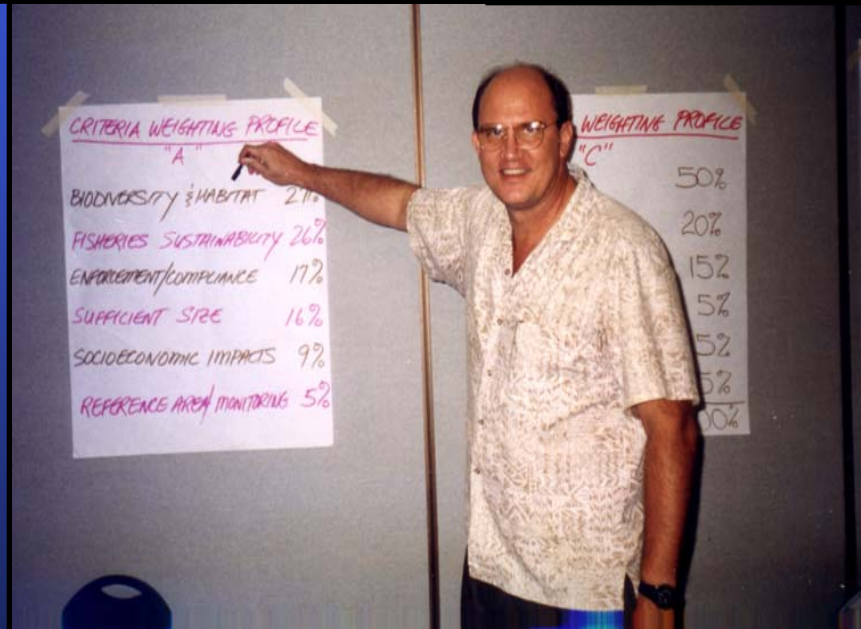
**Russ Nelson**—Florida Marine Fisheries  
Commission

**Alex Stone**—ReefKeeper International,  
Conservation Rep.

**Gene Proulx**—NOAA Office of Law  
Enforcement

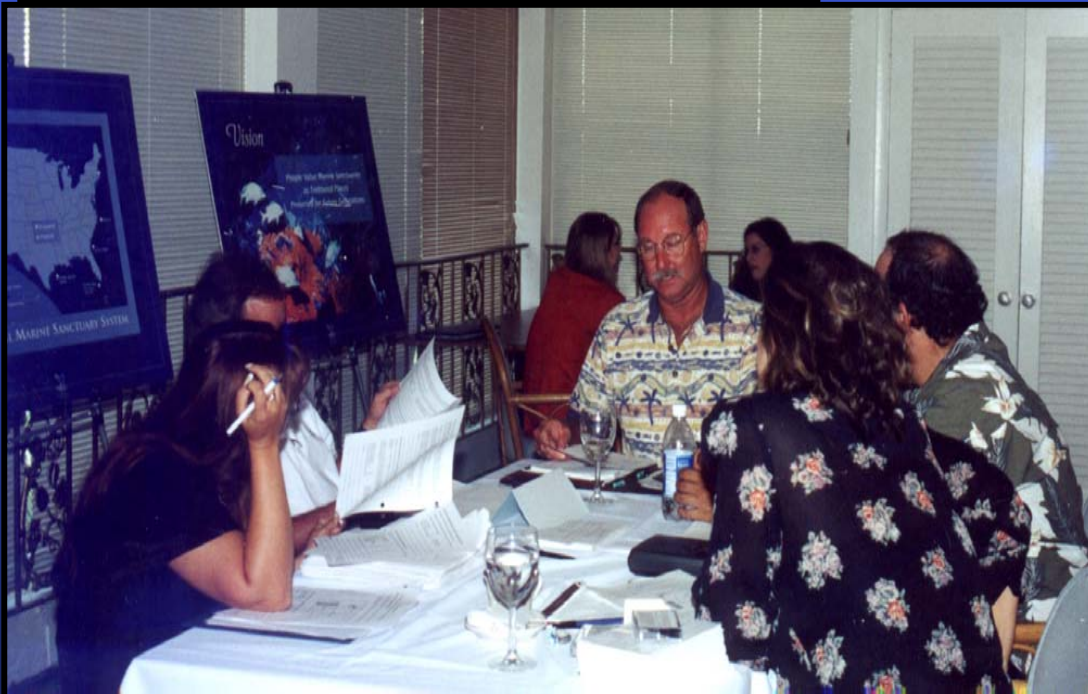
**Bruce Buckson**- Florida Marine Patrol

# T2000 WORKING GROUP BOUNDARY DRAFTING SESSION





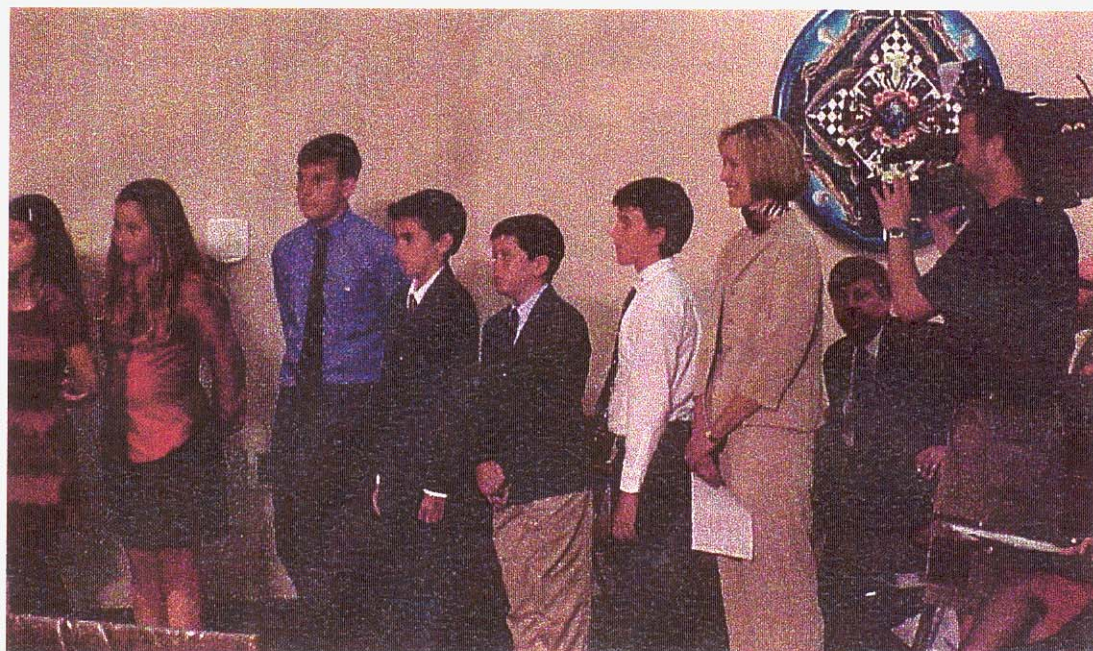
# T2000 PUBLIC HEARINGS, JULY 2000







*Students  
prepare to  
testify before  
Governor Bush  
and the Florida  
Cabinet*





Wednesday, April 25, 2001

F L O R I D A K E Y S

44 PAGES

25 CENTS

# KEYNOTER



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MIDWEEK

## Bush OKs Tortugas protection

By KEVIN WADLOW  
Senior Staff Writer  
[kwadlow@keynoter.com](mailto:kwadlow@keynoter.com)

The largest fully protected marine preserves in U.S. waters become a reality in the Dry Tortugas in July.

Urged on by elementary students and a disparate coalition of supporters, the state Cabinet spoke

*Governor, Cabinet sign off on plan to create the United States' largest no-fishing zone*

### ▼ MARINE RESOURCES

with a unanimous voice in approving the Tortugas Ecological Reserves.

The decision at Tuesday's

Cabinet meeting in Tallahassee was the last step for the 151 square miles of no-take reserves, with enforcement expected to begin in July at the most heavily visited sites.

"The Florida Keys and the Dry

Tortugas are one of the 200 most important landscapes and seascapes on the planet," said Kathryn Fuller, president of the World Wildlife Fund. "It's highly important to set a significant portion of this environment aside for preservation."

Fourteen fifth- and sixth-grade students from Stanley Switlik





NATIONAL MARINE  
SANCTUARIES <sup>TM</sup>



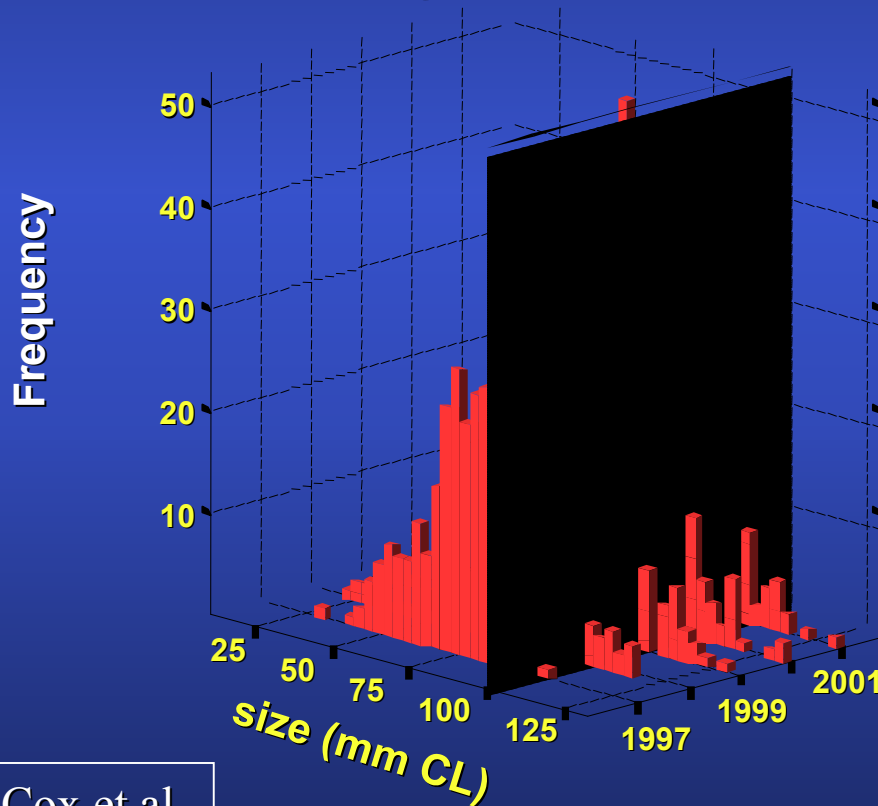
# Zone Monitoring Program Goals

- Measure benthic and fish community changes inside and outside fully protected marine zones
- Evaluate the effectiveness of “no-take” management for protecting marine biodiversity
- Determine the socioeconomic effect of and user attitudes towards the zones

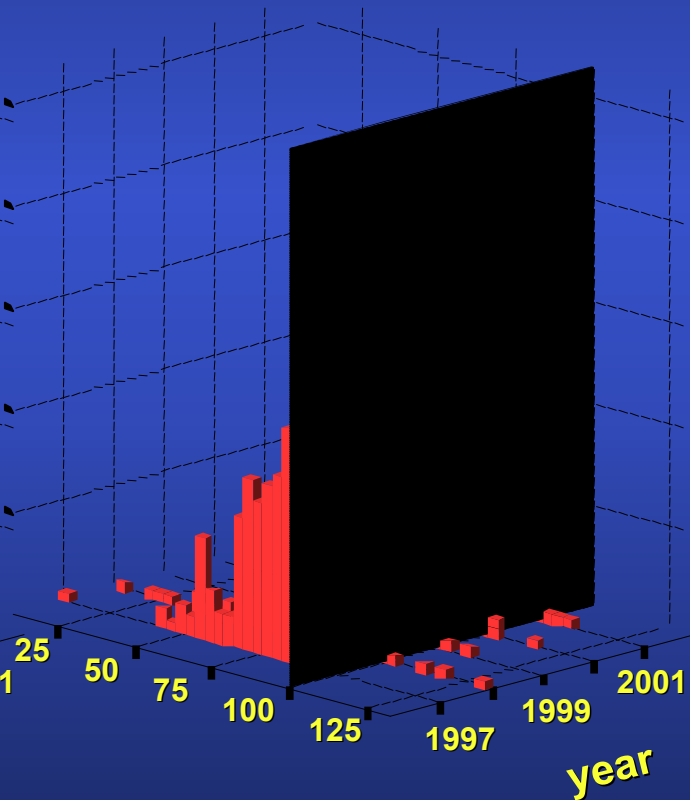


# Size-Frequency of Male Spiny Lobsters

Western Sambo  
Ecological Reserve



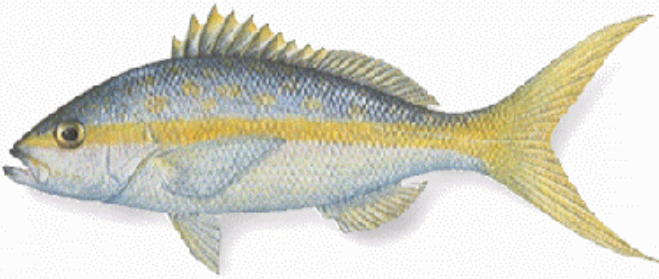
Pelican Shoal  
Reference



Cox et al.



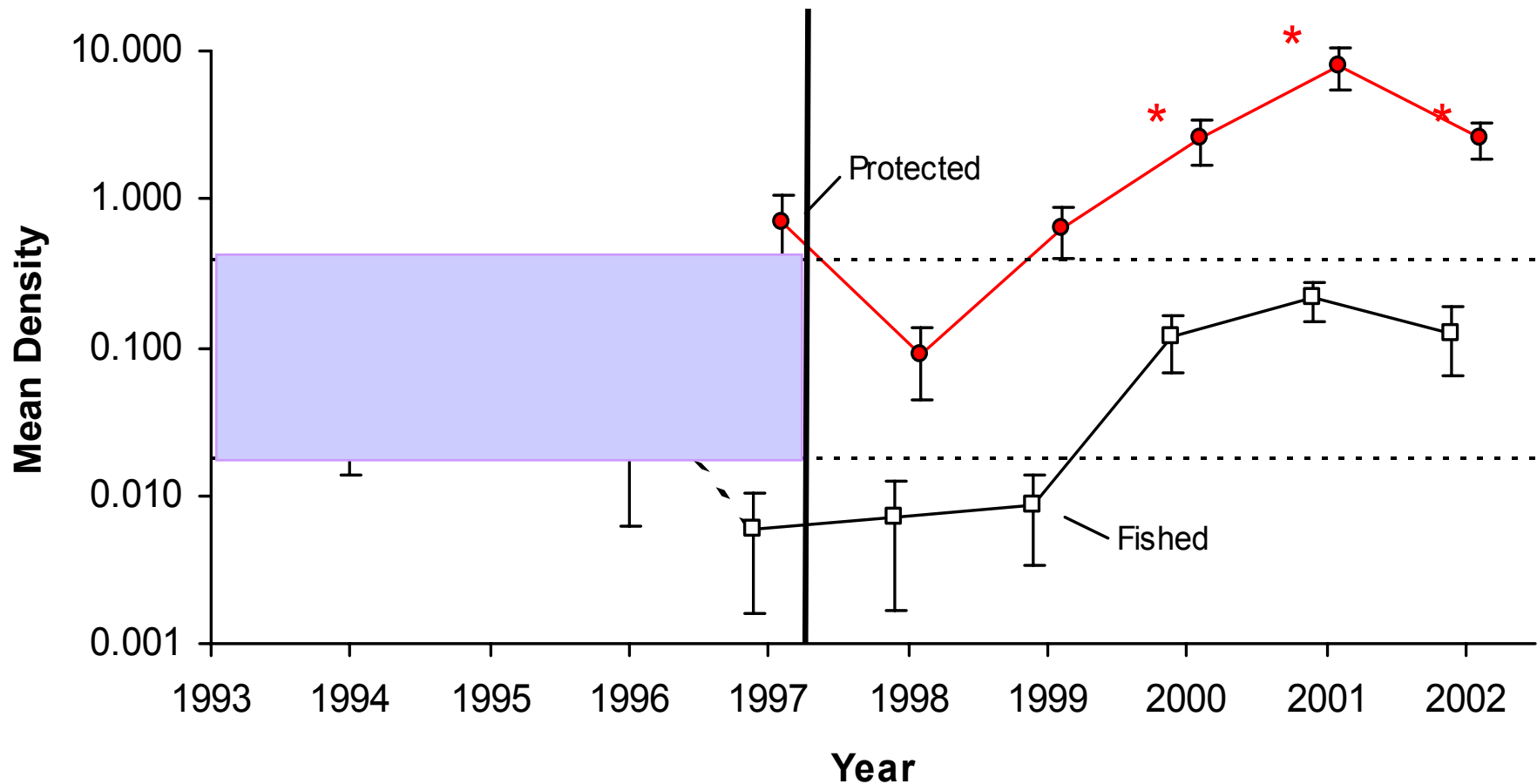




# Reef Fishes

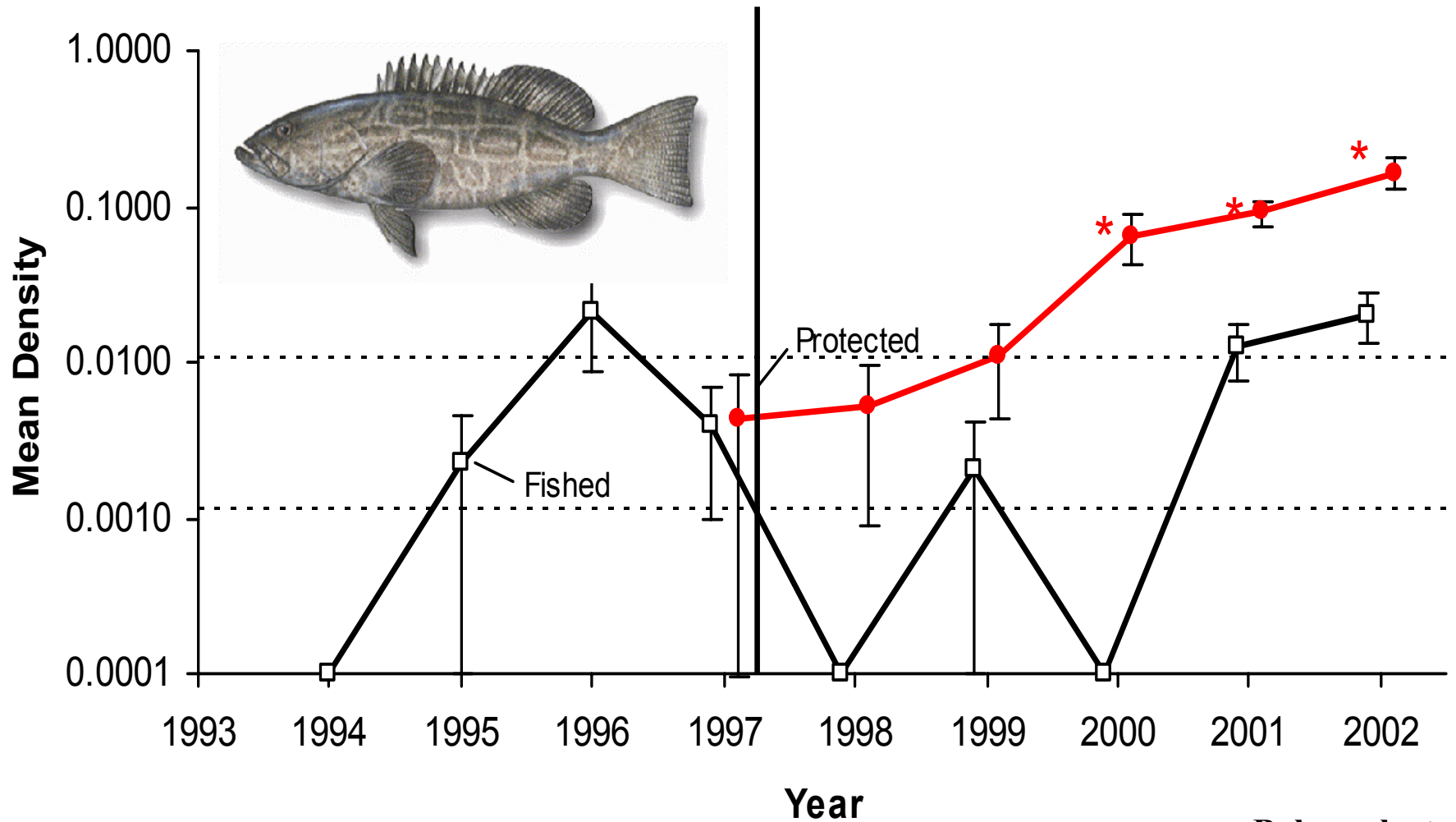


## Yellowtail Snapper, Exploited Phase



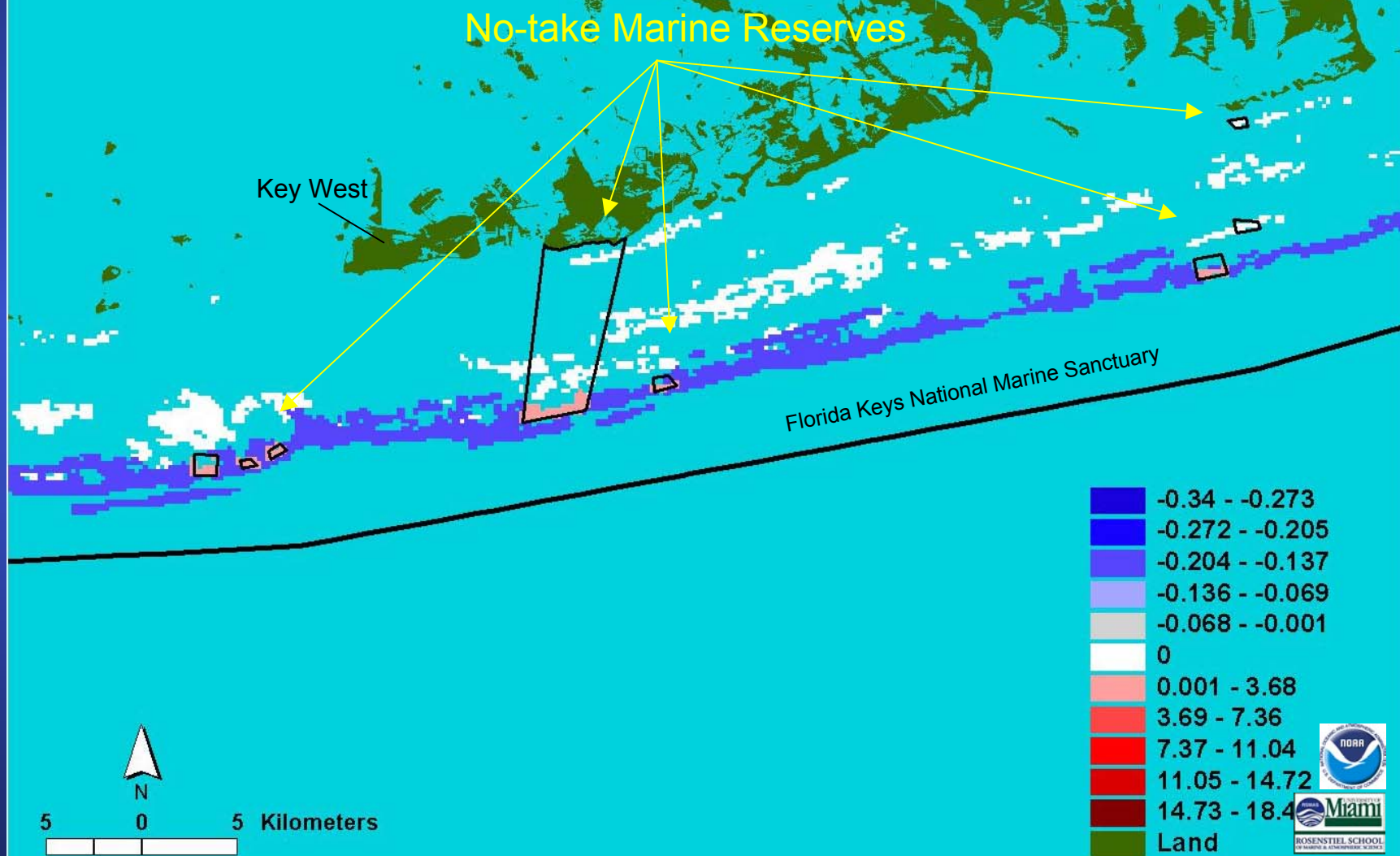
Bohnsack et al.

## Black Grouper, Exploited Phase



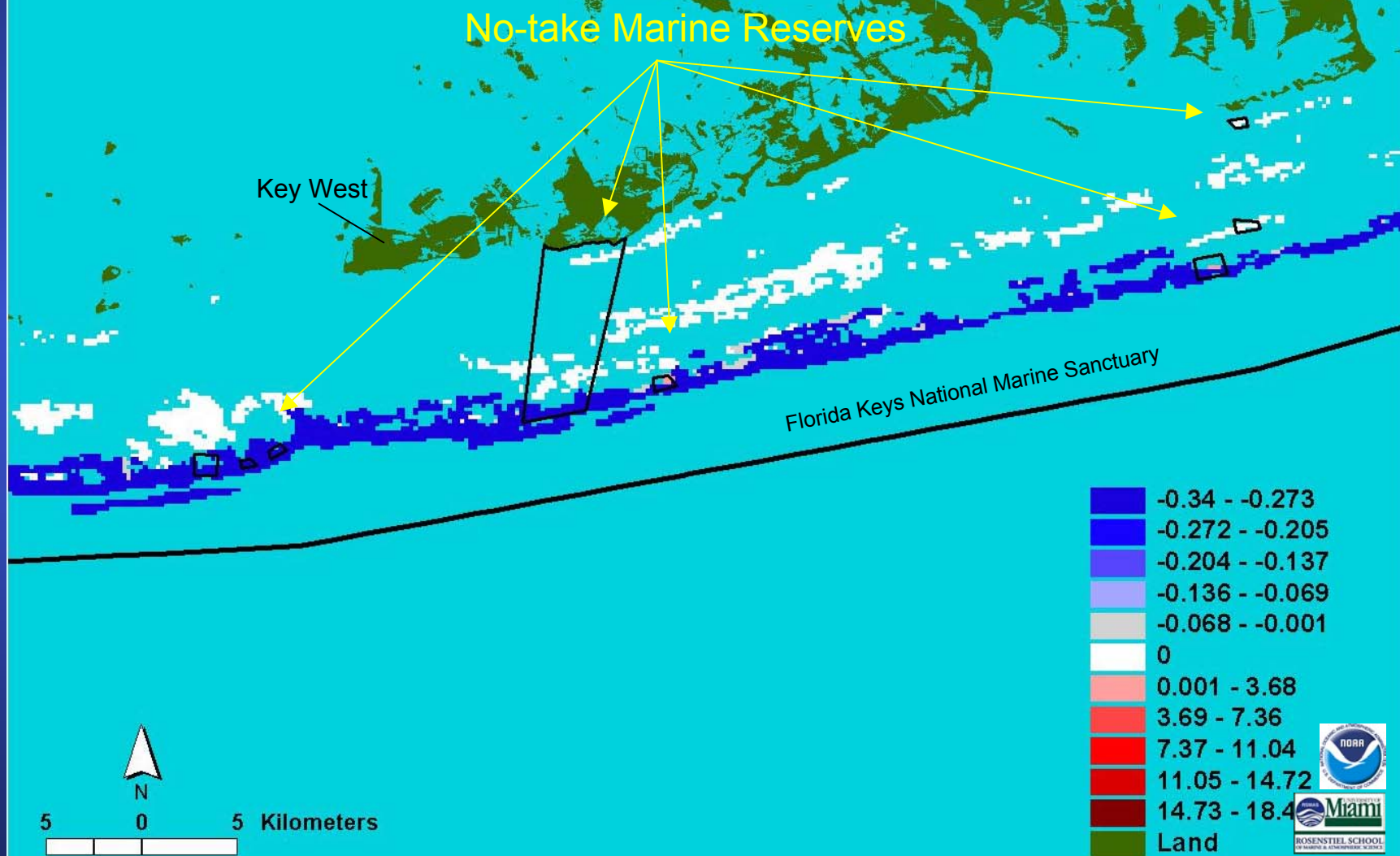
Bohnsack et al.

# 1997 Yellowtail Snapper Density (Adults)

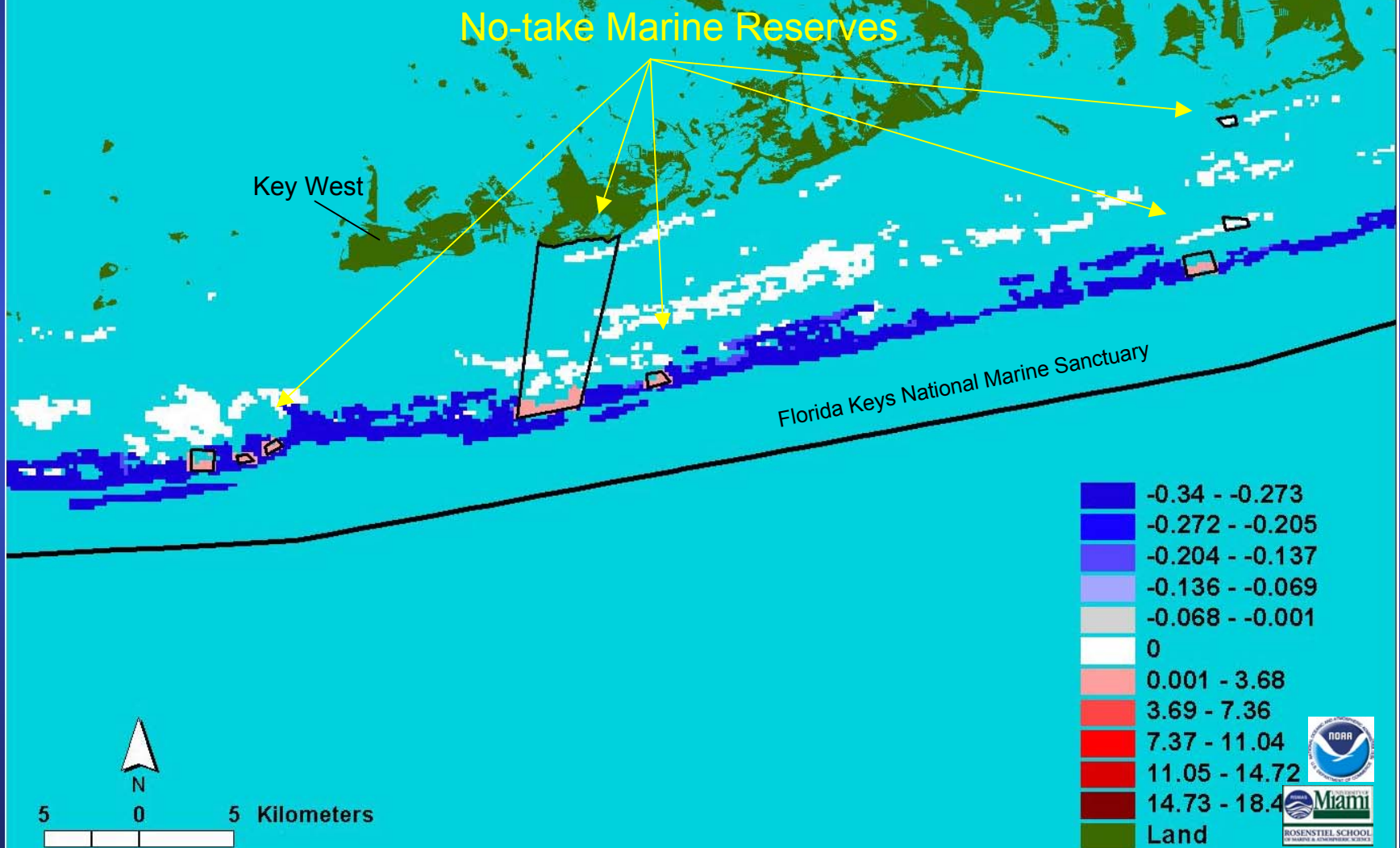




# 1998 Yellowtail Snapper Density (Adults)

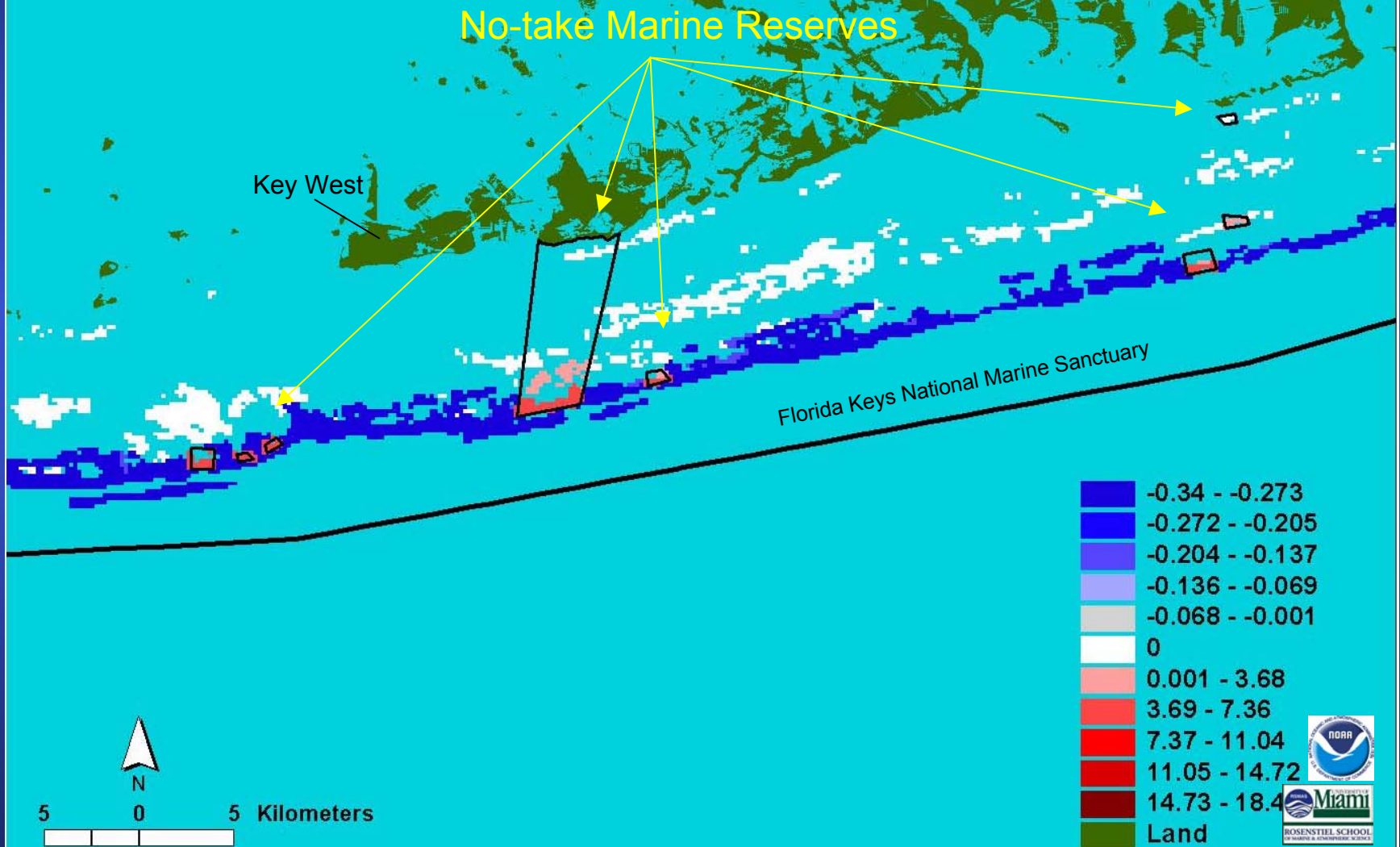


# 1999 Yellowtail Snapper Density (Adults)



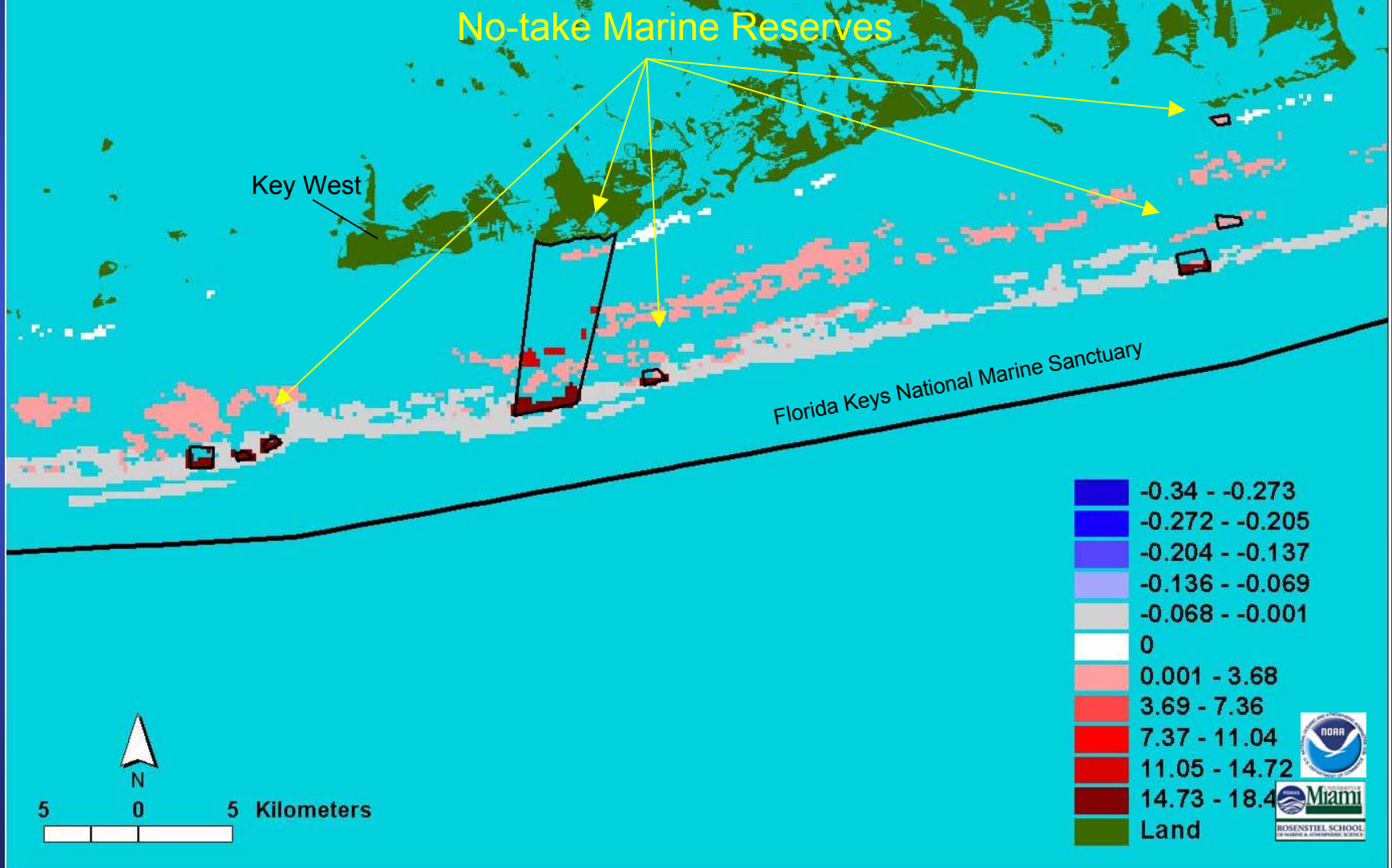


# 2000 Yellowtail Snapper Density (Adults)



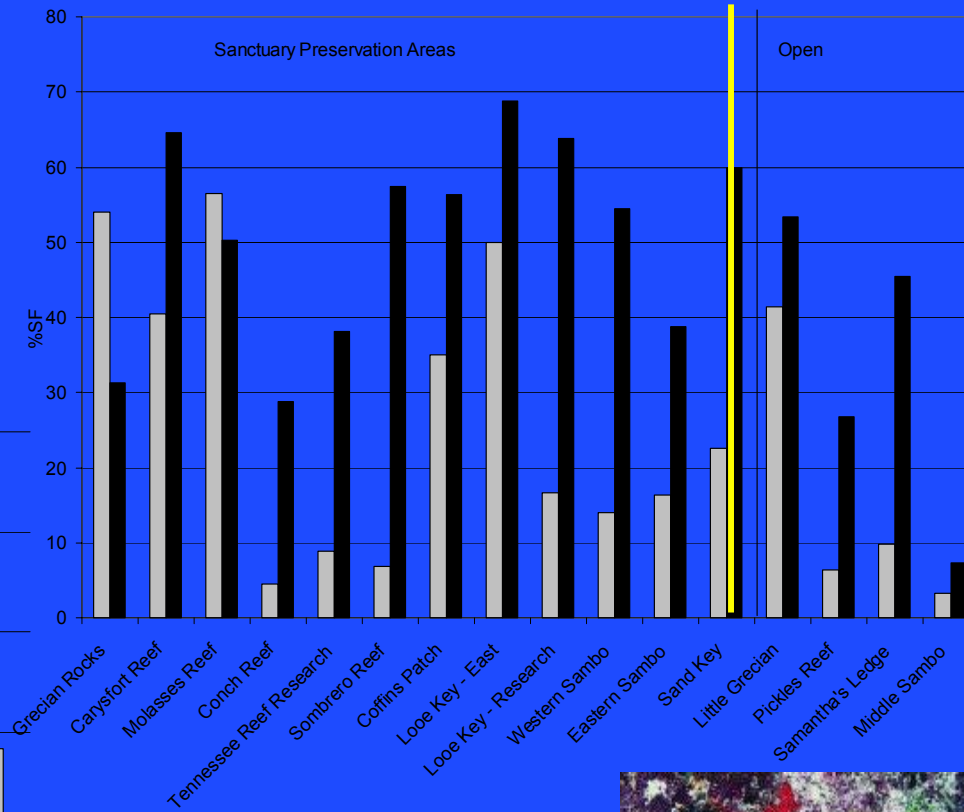
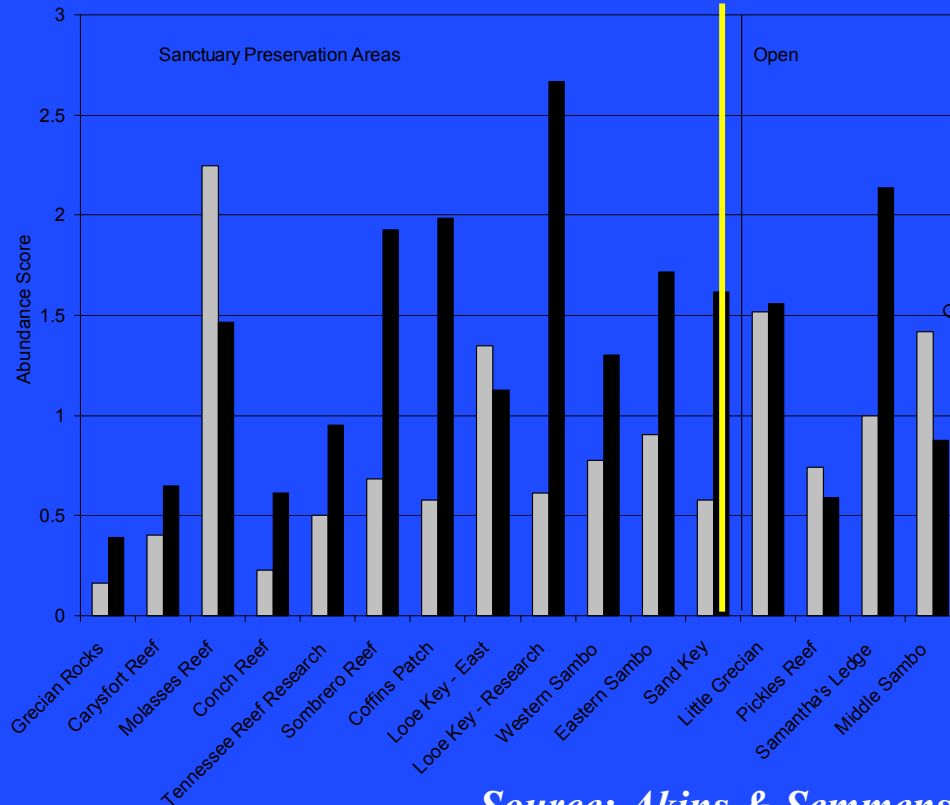


# 2001 Yellowtail Snapper Density (Adults)



# Reef Fishes: Pre-/Post-Zoning

## Gray Snapper



## Black Grouper



July 1993 - June 1997

July 1997 - April 2001

# Sanctuary Law Enforcement

- Sanctuary Enforcement is a Partnership Between NOAA and the State of Florida
- The Florida Fish and Wildlife Conservation Commission and NOAA entered into a Memorandum of Agreement





# Sanctuary Enforcement

- ◆ Use Interpretive Enforcement
- ◆ Federally Funded
  - ◆ State FWC Officers
  - ◆ Equipment
- ◆ 17 Sanctuary Officers
- ◆ Captain & 4 Lieutenants
- ◆ NOAA / Enforcement

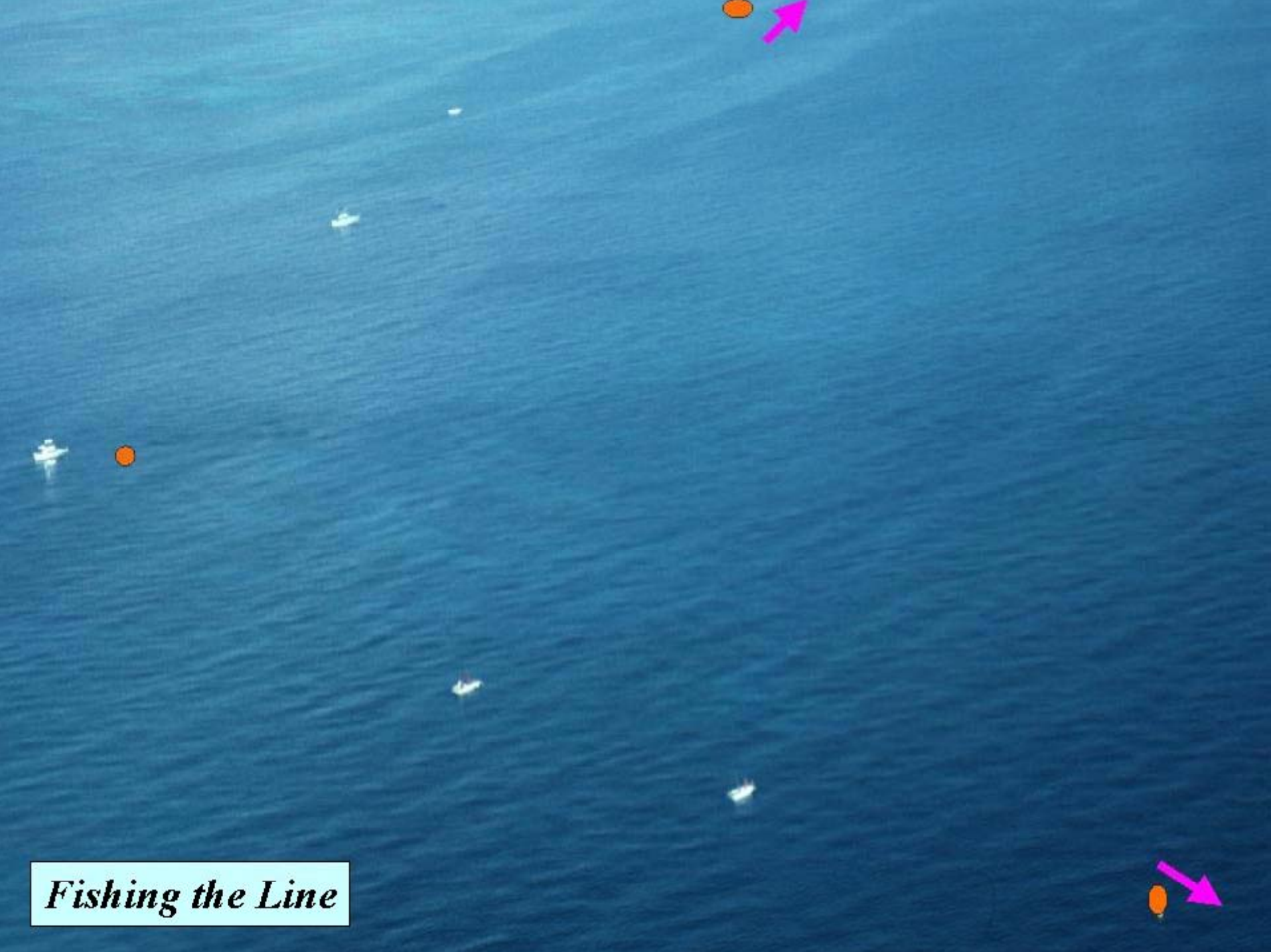




# Enforcement

- 82' USCG cutter for patrols
- 41' USCG patrol craft





*Fishing the Line*

# *Something to think about:*

**“ It is important to scientific study and to the health and sanity of man, that there be preserved some unique areas ..... to observe nature’s continuing evolution; ..... the grandeur and peace of nature.”**

*Samuel H. Ordway, Jr.*



# *Wildlife Management Areas*

- 27 WMAs (19 with USFWS)
- Include bird nesting, resting, or feeding areas, turtle nesting beaches, and other sensitive habitats
- Vary in size and location
- Protect endangered or threatened species or their habitats
- Provide opportunities for public use / reduces conflicts
- Mode of Access Managed



# Flats Fishermen





WINTER STRIPERS: Power-plant outflows hold cold-weather bounty **page 26**

# Saltwater FLY FISHING

THE SPORT'S HOW-TO AUTHORITY

JANUARY 2004

## Permit Whip Jet Skis

*No-motor zones revive  
Keys fishing*

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Conquer the Wind with Two-Handed Rods  
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[www.flyfishingmagazine.com](http://www.flyfishingmagazine.com)





# T2000 WORKING GROUP BOUNDARY DRAFTING SESSION



# Tortugas Ecological Reserve

24°45' N



0 2 Miles

24°30' N

